

Abstract

Adsorbent particles comprising superparamagnetic and/or low Curie
Temperature transition metal-containing cores surrounded by a hydrous siliceous
oxide coating can be formed by an aqueous process wherein the core is precipitated
5 from an aqueous solution and a siliceous oxide coating is deposited thereon while
complete drying of the core is avoided until after the siliceous oxide is deposited.
The resulting siliceous adsorbents exhibit strong superparamagnetic and/or low
Curie temperature magnetic properties with low transition metal leachability.